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24M1/0612

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**NOTICE OF ALLOWANCE
AND ISSUE FEE DUE**

☐ Note attached communication from the Examiner

☐ This notice is issued in view of applicant's communication filed _____

SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/245,391	06/24/94	022	HONG, S	2412 06/12/96
First Named Applicant	LEWIS, SCOTT W.			

TITLE OF
INVENTION

METHOD AND SYSTEM FOR INTERACTIVELY TRANSMITTING MULTIMEDIA
INFORMATION OVER A NETWORK WHICH REQUIRES A REDUCED BANDWIDTH
(AS AMENDED)

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2	IAS103CIE	395-154.000	APP	UTILITY	YES \$625.00	07/12/96

**THE APPLICATION IDENTIFIES ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS
APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY Status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the patent and Trademark Office of the change in status, or
- B. If the Status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, pay of 1/2 the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.

III. All communications regarding this application must give series code (or filing date), serial number and batch number. Please direct all communication prior to issuance to Box ISSUE FEE unless advised to contrary.

IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
08/265,391	06/24/94	LEWIS	JAS103C1P

HONG-S EXAMINER

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ART UNIT	PAPER NUMBER
2412	13

06/12/96

DATE MAILED.

NOTICE OF ALLOWABILITY

PART I

1. ☒ This communication is responsive to *amendment filed 5/17/96, Examiner's Amendment (page #12), Examiner interview (page #11)*
2. ☒ All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
3. ☒ The allowed claims are 2-12, 14-26, 31-36, 40 and 41
4. ☐ The drawings filed on _____ are acceptable.
5. ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has [] been received. [] not been received. [] been filed in parent application Serial No. _____, filed on _____.
6. ☒ Note the attached Examiner's Amendment.
7. ☒ Note the attached Examiner Interview Summary Record, PTO-413.
8. ☒ Note the attached Examiner's Statement of Reasons for Allowance.
9. ☒ Note the attached NOTICE OF REFERENCES CITED, PTO-892.
10. ☐ Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

PART II

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

1. ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
2. ☒ APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
- a. ☒ Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. 3. CORRECTION IS REQUIRED.
- b. ☐ The proposed drawing correction filed on _____ has been approved by the examiner. CORRECTION IS REQUIRED.
- c. ☐ Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
- d. ☒ Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

Attachments:

- ☒ Examiner's Amendment
☒ Examiner Interview Summary Record, PTO-413
☒ Reasons for Allowance
☒ Notice of References Cited PTO-892
☐ Information Disclosure Citation, PTO-1449

- ☐ Notice of Informal Application, PTO-152
☐ Notice re Patent Drawings, PTO-948
☐ Listing of Bonded Draftsmen
☐ Other

Mark Zimmerman

MARK K. ZIMMERMAN
PRIMARY EXAMINER
GROUP 2400

#13/D
06-10-96
-2- MJC

Serial Number: 08/404,185
Art Unit: 2412

Part III EXAMINER'S AMENDMENT and REASONS FOR ALLOWANCE

1. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

Authorization for this Examiner's Amendment was given in a telephone interview with Joseph Sawyer on June 6, 1996.

2. The application has been amended as follows:

a. Please delete the present title and insert therefor --METHOD AND SYSTEM FOR INTERACTIVELY TRANSMITTING MULTIMEDIA INFORMATION OVER A NETWORK WHICH REQUIRES A REDUCED BANDWIDTH--.

b. On page 1 of the specification, in the line after the title, please insert the following paragraph,

--CROSS REFERENCE TO RELATED APPLICATION

D' This application is a continuation-in-part (CIP) of application Ser. No. 07/975,824 filed November 11, 1992, now U.S. Pat. No. 5,325,423.--.

[c. In claim 31, line 7, delete "location" and insert thereof --layer--.

3. The following is an Examiner's Statement of Reasons for Allowance:

a. As per independent claim 40, the limitations of "optimizing the program material by separating the information into primary and secondary layers (line 7)" and "the program materials further optimized by enhancing information in the primary layers to provide a perceived improvement in the quality of information when presented to a user, and by compressing at least a portion of the optimized program materials to reduce the bandwidth (lines 10-15)" are not anticipated by the prior art of record and would not have been obvious to a person of ordinary skill in the art at the time the invention was made in view of the prior art of record.

b. As per independent claim 41, the limitations of "means for enhancing the layers ...through selective use of an objective quality standard that includes metrics of the quality of the layers, and a subjective quality standard that is controlled by user feedback (lines 7-13)" are not anticipated by the prior art of record and would not have been obvious to a person of ordinary skill in the art at the time the invention was made in view of the prior art of record.

c. As per independent claim 31, the limitations of "means coupled to the linking means for controlling the quality of the first and second sets of program source materials by selective use of an objective quality standard that includes metrics of the quality of the layers, and a subjective quality standard that is controlled by user feedback (lines 14-20)" are not anticipated by the prior art of record and would not have been obvious to a person of ordinary skill in the art at the time the invention was made in view of the prior art of record.

Serial Number: 08/404,185
Art Unit: 2412

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Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably **accompany** the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steve Hong whose telephone number is (703) 308-5465. The examiner can normally be reached on Monday-Friday from 8:00 AM-5:30 PM.

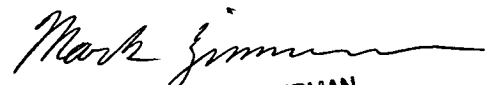
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather Herndon, can be reached on (703) 305-9701. The fax phone number for this group is (703) 305-9724.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3800.


Stephen Hong

Patent Examiner

June 6, 1996


MARK K. ZIMMERMAN
PRIMARY EXAMINER
GROUP 2400